

Title (en)
LOW CTE SLUSH MOLDS WITH TEXTURED SURFACE, AND METHOD OF MAKING AND USING THE SAME

Title (de)
SCHLAMMFORMEN MIT GERINGEM CTE MIT STRUKTURIERTER OBERFLÄCHE UND HERSTELLUNGS- UND VERWENDUNGSVERFAHREN DAFÜR

Title (fr)
MOULES D'EMBOUAGE À FAIBLE COEFFICIENT DE DILATATION THERMIQUE AYANT UNE SURFACE TEXTURÉE, ET LEUR PROCÉDÉ DE FABRICATION ET D'UTILISATION

Publication
EP 2440681 A4 20160330 (EN)

Application
EP 10786903 A 20100611

Priority

- US 2010038291 W 20100611
- US 26836909 P 20090611

Abstract (en)
[origin: WO2010144786A2] A rotomolding tool having a textured surface is provided. The tool comprises a shell having a body portion and an upper mold surface having a grain texture, at least the body portion comprising a nickel-iron alloy having a coefficient of thermal expansion of at most 5.0 x 10⁻⁶ in/in/°F at temperatures between 100° and 500°F.

IPC 8 full level
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CPC (source: EP US)
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Citation (search report)

- [XAYI] US 2008241296 A1 20081002 - WANG CHEN-SHIH [US], et al
- [Y] US 2004113322 A1 20040617 - GRIMMER ROBERT A [US], et al
- [Y] CA 2532497 A1 20070706 - SHIRLON PLASTICS [CA]
- [A] US 2005274438 A1 20051215 - HASEK DAVID R [US], et al
- [A] US 2009047167 A1 20090219 - GEHRMANN BODO [DE], et al
- [A] EP 0368565 A1 19900516 - TOSHIBA KK [JP]
- [A] US 6699419 B1 20040302 - KIA HAMID GHAVAMI [US], et al
- See references of WO 2010144786A2

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